

# Green and Sustainable Remediation – a Key ESG Component



## Overview

The cleanup of contaminated property is necessary and beneficial, but the process can be energy and resource-intensive, and result in numerous unintended impacts. Growing awareness of the need to **decrease greenhouse gas emissions and use less energy and other resources** has led to heightened demand for green technologies and integrating sustainability into the site remediation process.

Utilizing **Green and Sustainable Remediation (GSR)** approaches to the cleanup of a site allows for the careful evaluation of remedial actions to **minimize their impact** on the environment and surrounding community and to identify the optimal solution.

AECOM is collaborating with government, academia, and industry to develop new approaches for site remediation that integrate sustainability considerations. This minimizes the environmental footprint of the remediation process, develops economic opportunities and enhances community assets through site reuse. In addition, AECOM applies its expertise in **climate change impacts and resiliency** to ensure remedies are protective into the future.

## Areas of Expertise

- **TOOLS AND METRICS FOR EVALUATING REMEDIAL ALTERNATIVES.** Calculate environmental, social, and economic impacts to compare and optimize remedies throughout the project life cycle.

- **GREEN TECHNOLOGIES FOR SITE ASSESSMENT AND CLEANUP.** Beneficial and low-impact remediation approaches,
- **NATURE-BASED SOLUTIONS.** Work with nature to remediate sites.
- **POLICY, GUIDANCE, AND PROCEDURE DEVELOPMENT.** Establish and promote regulatory programs and guidance to embrace green and sustainable remediation.

**ADAPTIVE SITE REUSE.**  
Integrate site cleanup with design of final site features.

**CARBON FOOTPRINTING.**  
Identify potential impacts and measure improvements.

**IN SITU APPROACHES.**  
Treating contaminants in-place to reduce impacts.

**RENEWABLE ENERGY.**  
Using solar or wind power.

